

Figure 1:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $\text{Y}_7 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$

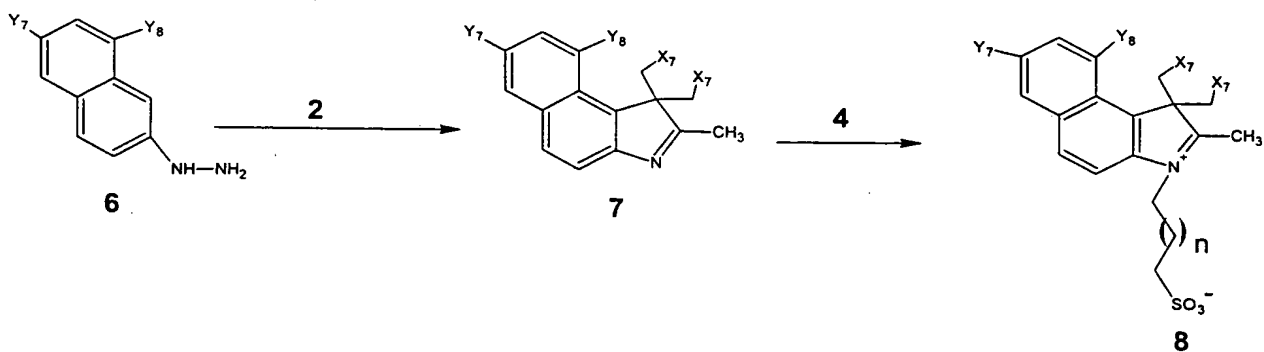


Figure 2:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $\text{Y}_7, \text{Y}_8 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$

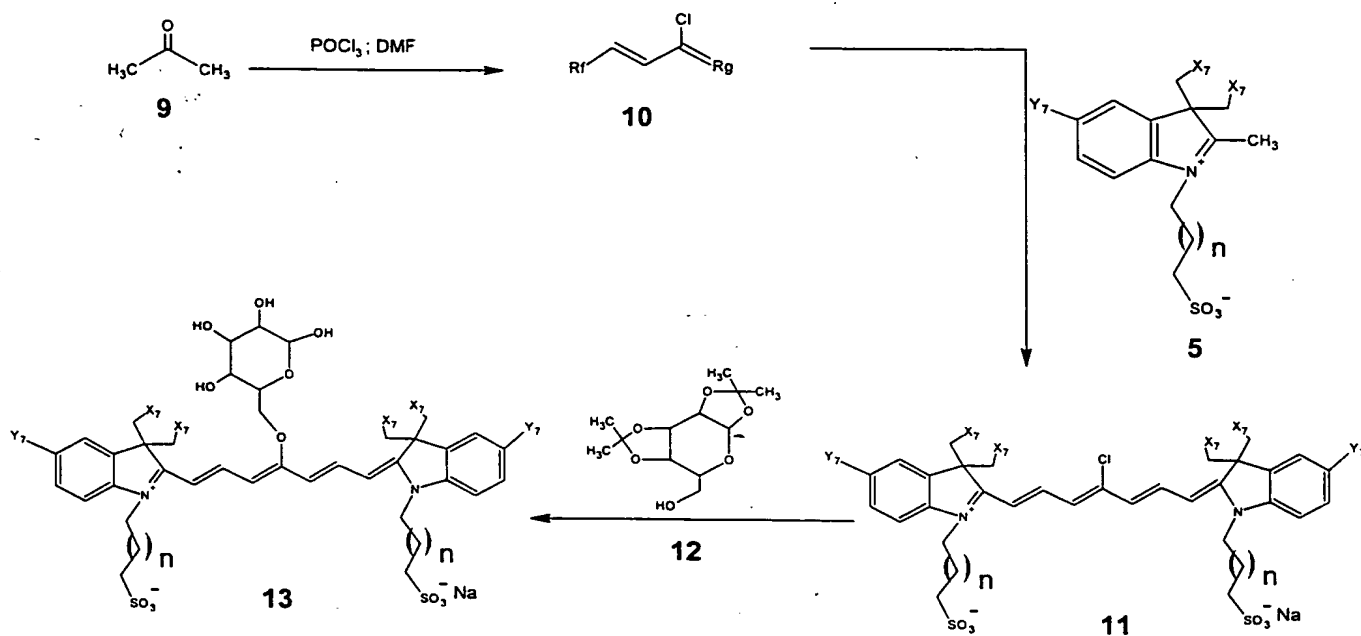


Figure 3:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $Y_7 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$ ;  $R_1 = (\text{CH}_3)_2\text{N}$  or  $\text{OH}$ ;  $R_9 = (\text{CH}_3)_2\text{N}^+$  or  $\text{CHO}$

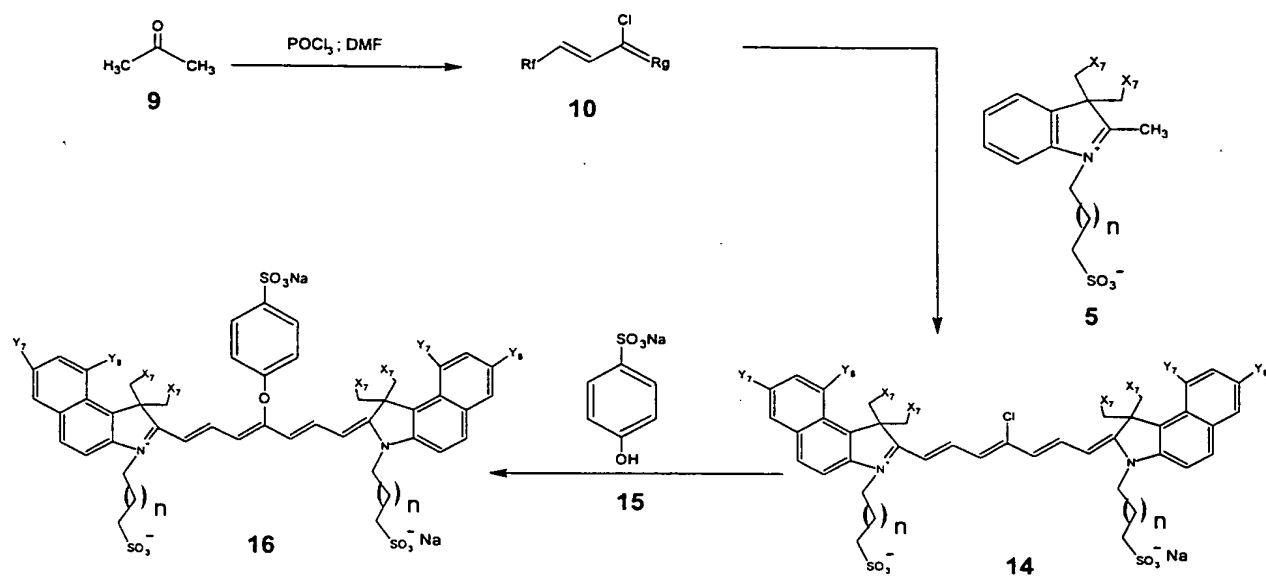


Figure 4:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $Y_7 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$ ;  $R_1 = (\text{CH}_3)_2\text{N}$  or  $\text{OH}$ ;  $R_9 = (\text{CH}_3)_2\text{N}^+$  or  $\text{CHO}$

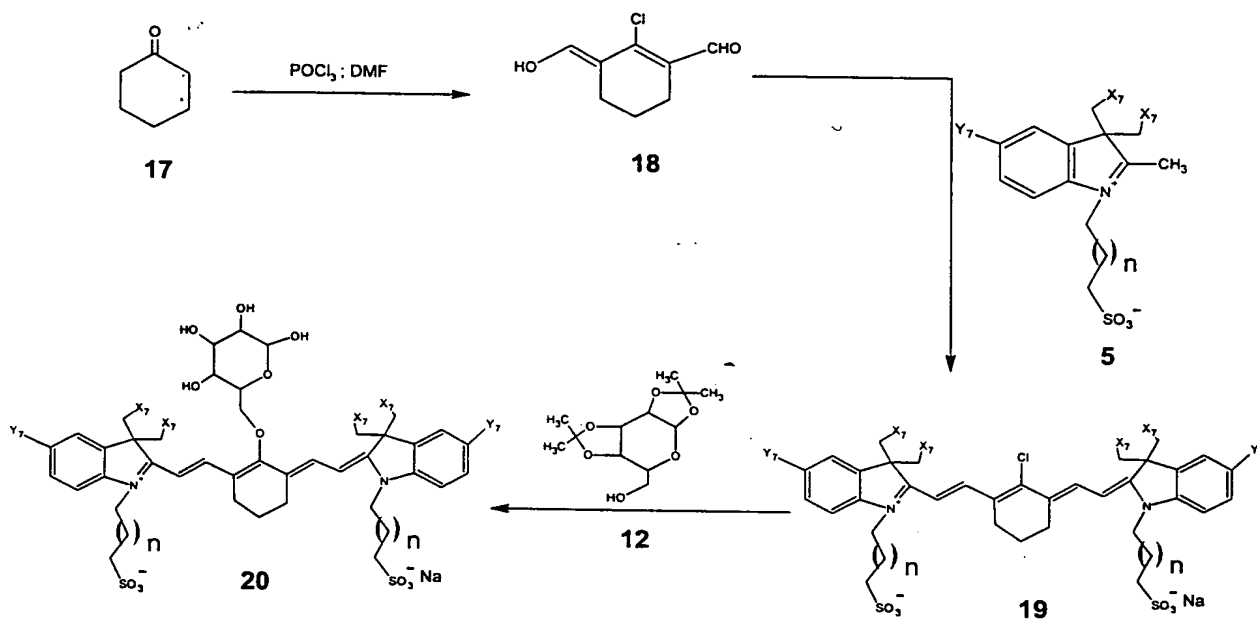


Figure 5:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $Y_7 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$

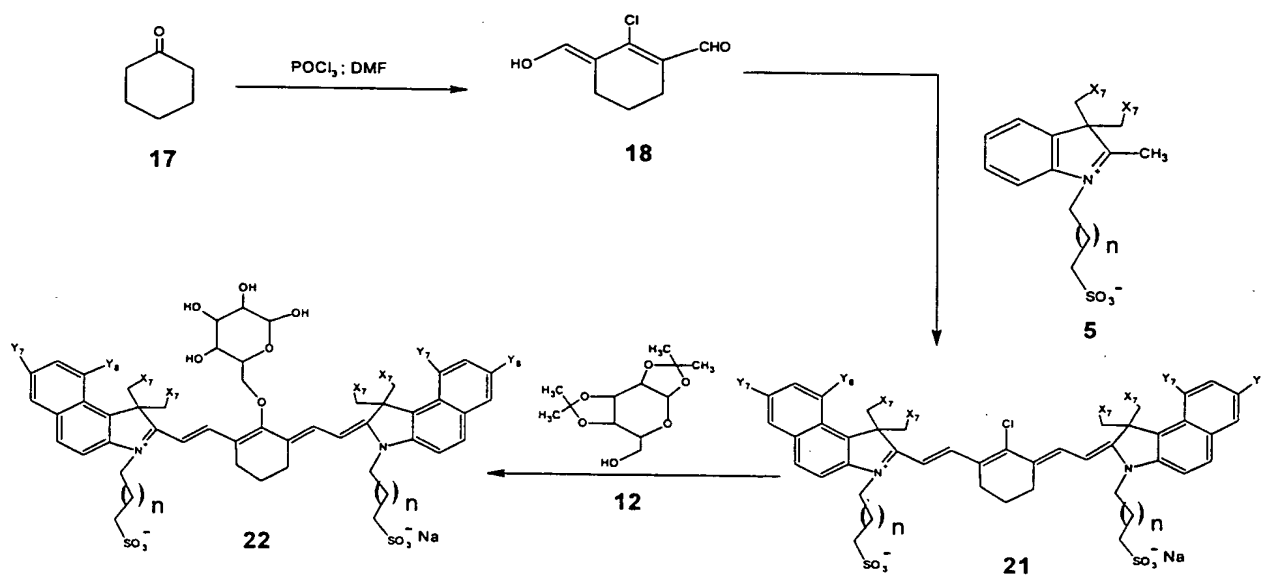


Figure 6:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $Y_7, Y_8 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$

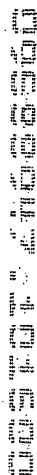


Figure 7:  $n = 1-3$ ;  $X_7 = \text{H}, \text{OH}$ ;  $Y_7, Y_8 = \text{H}, \text{SO}_3^-, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$

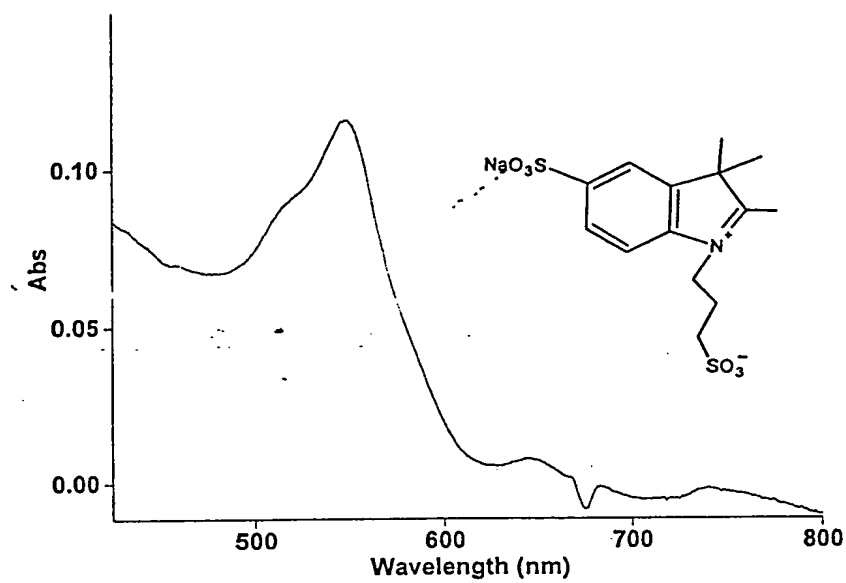


Figure 8a

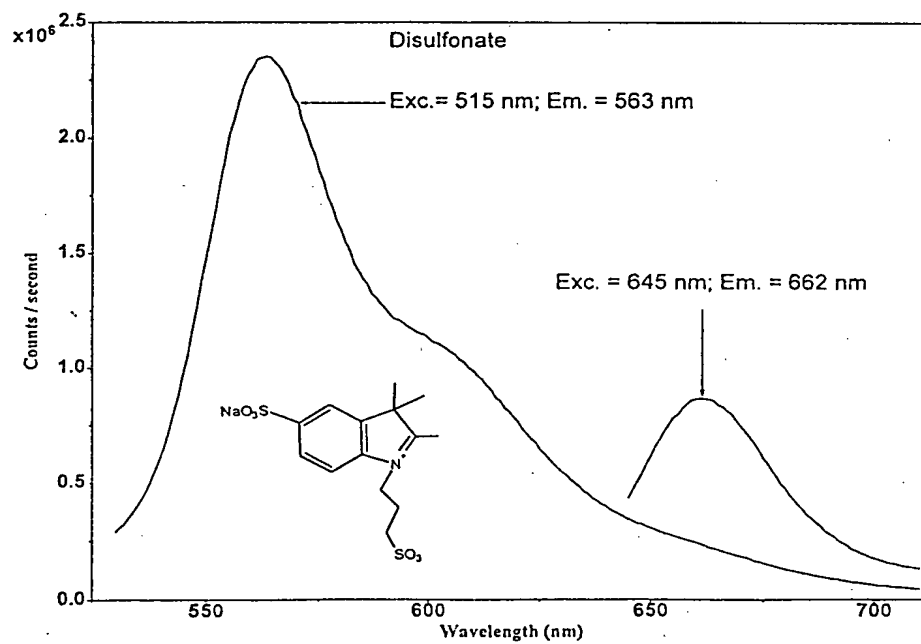


Figure 8b

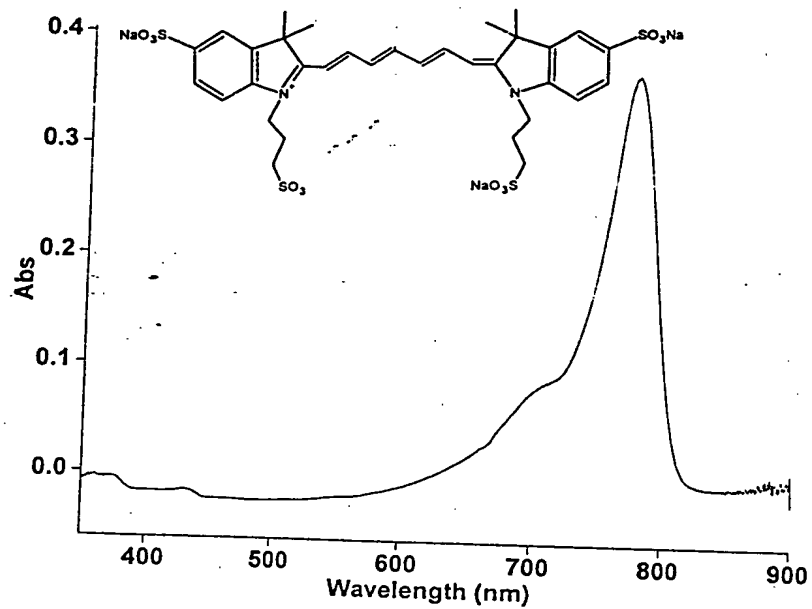


Figure 9a

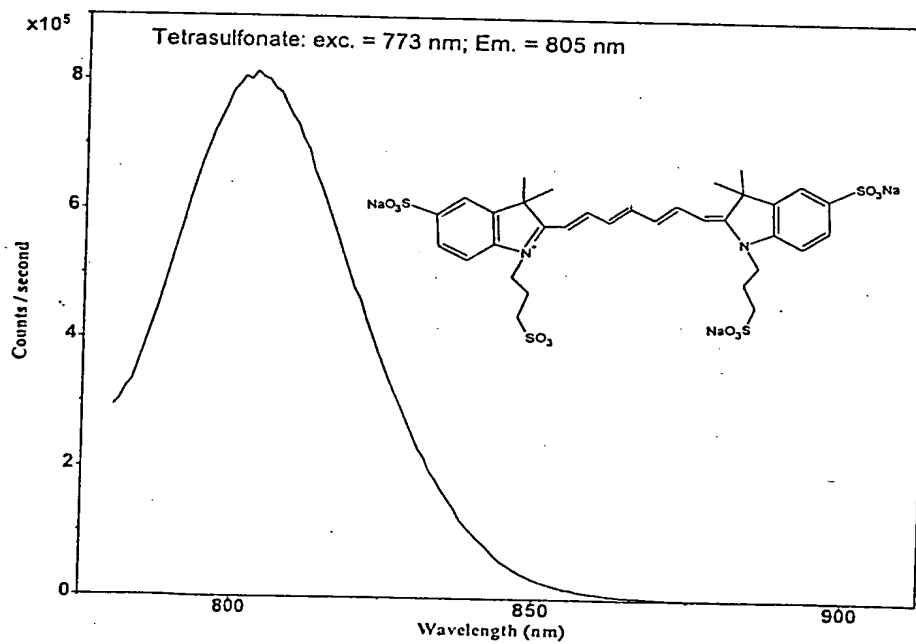


Figure 9b

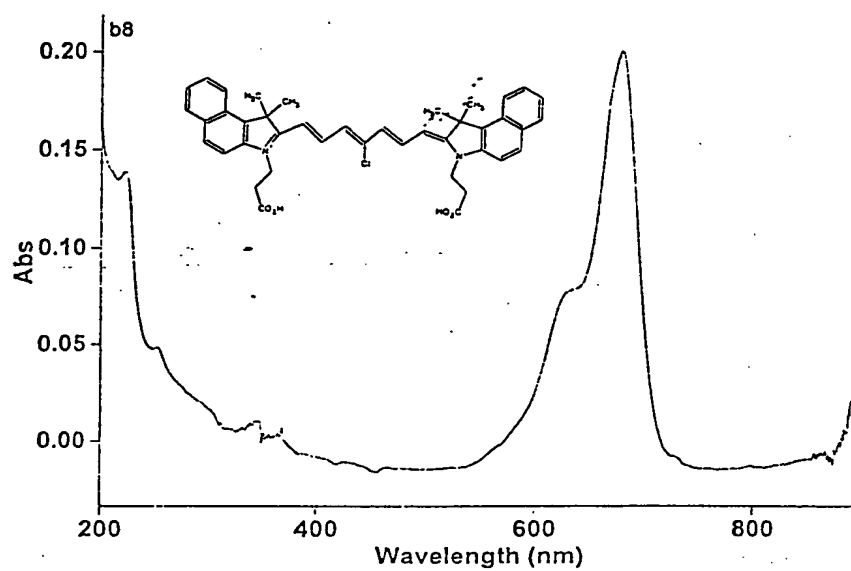


Figure 10a

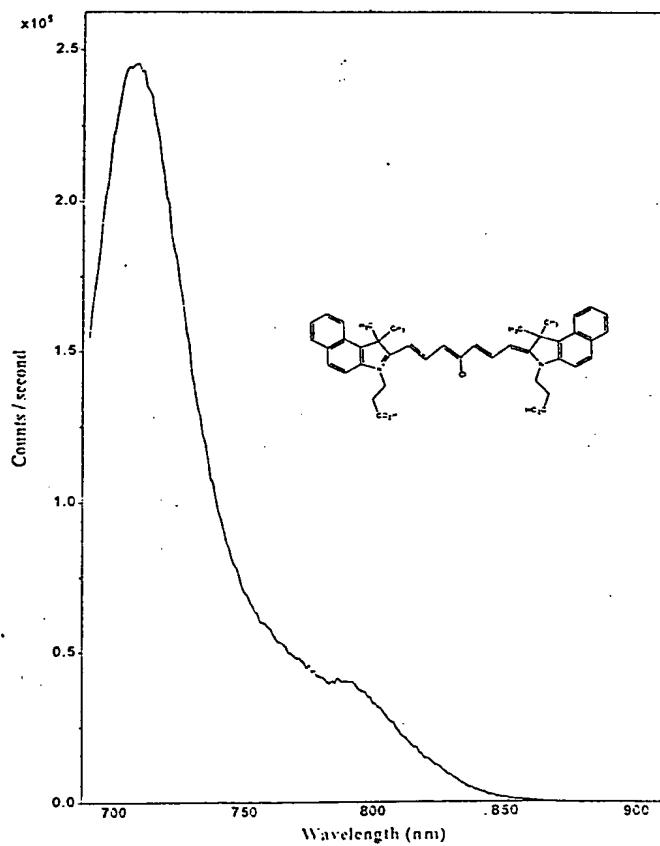


Figure 10b

# Blood clearance of hydrophilic polyaspartic acid-cyanine dye

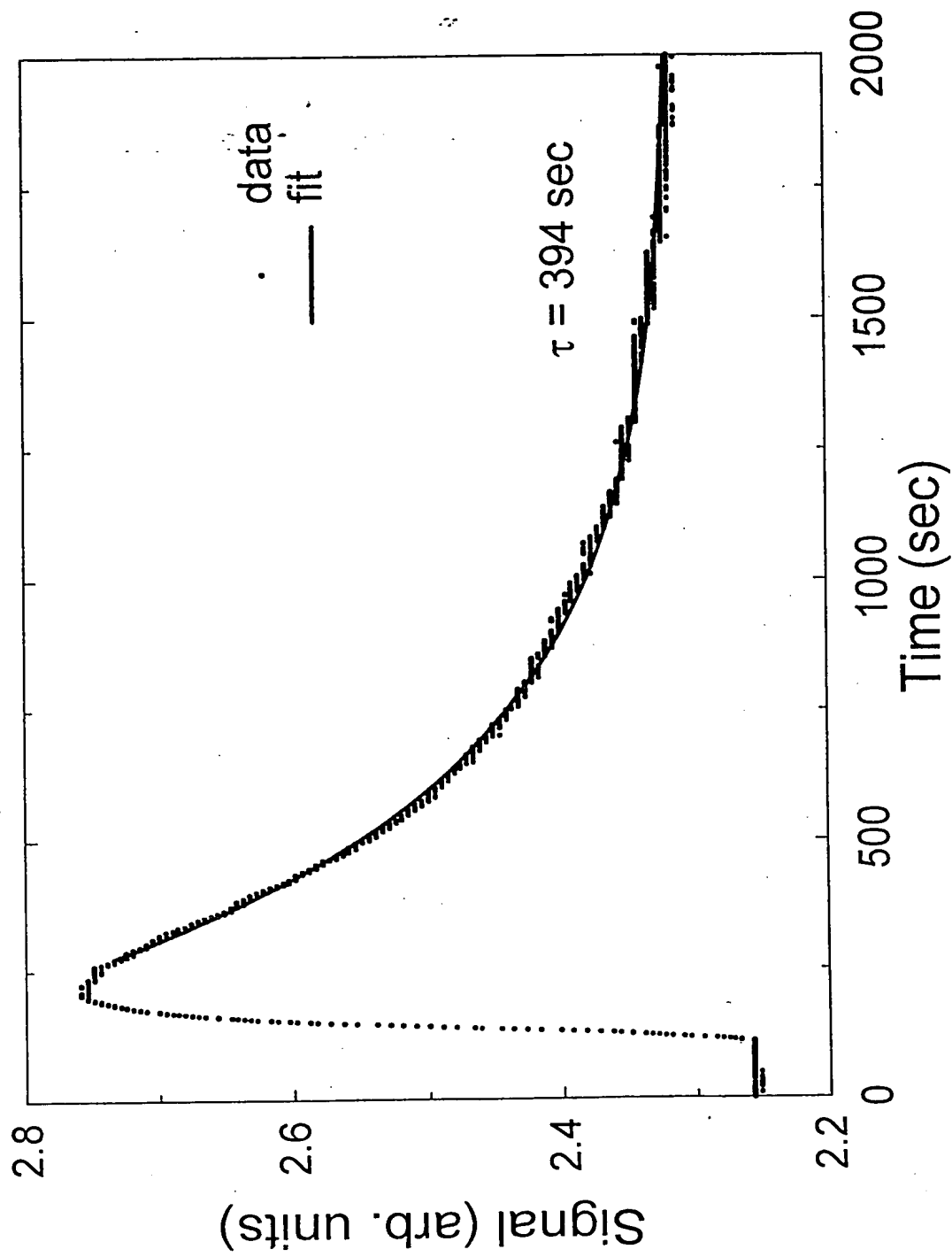


Figure 11



# Blood clearance profile of cyanine dye-polyaspartic acid (30 kDa)

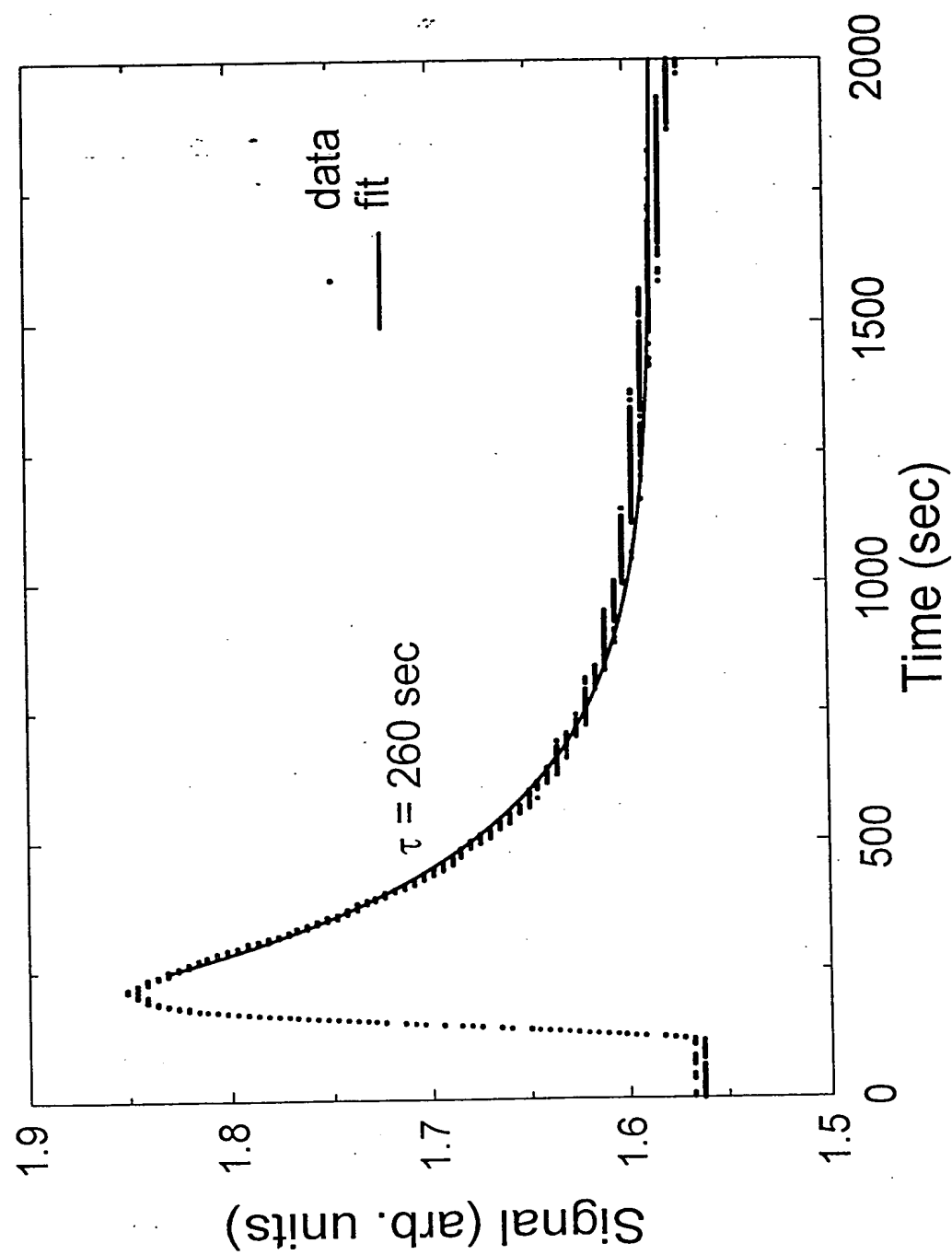


Figure 12

# Blood clearance profile of indole disulfonate

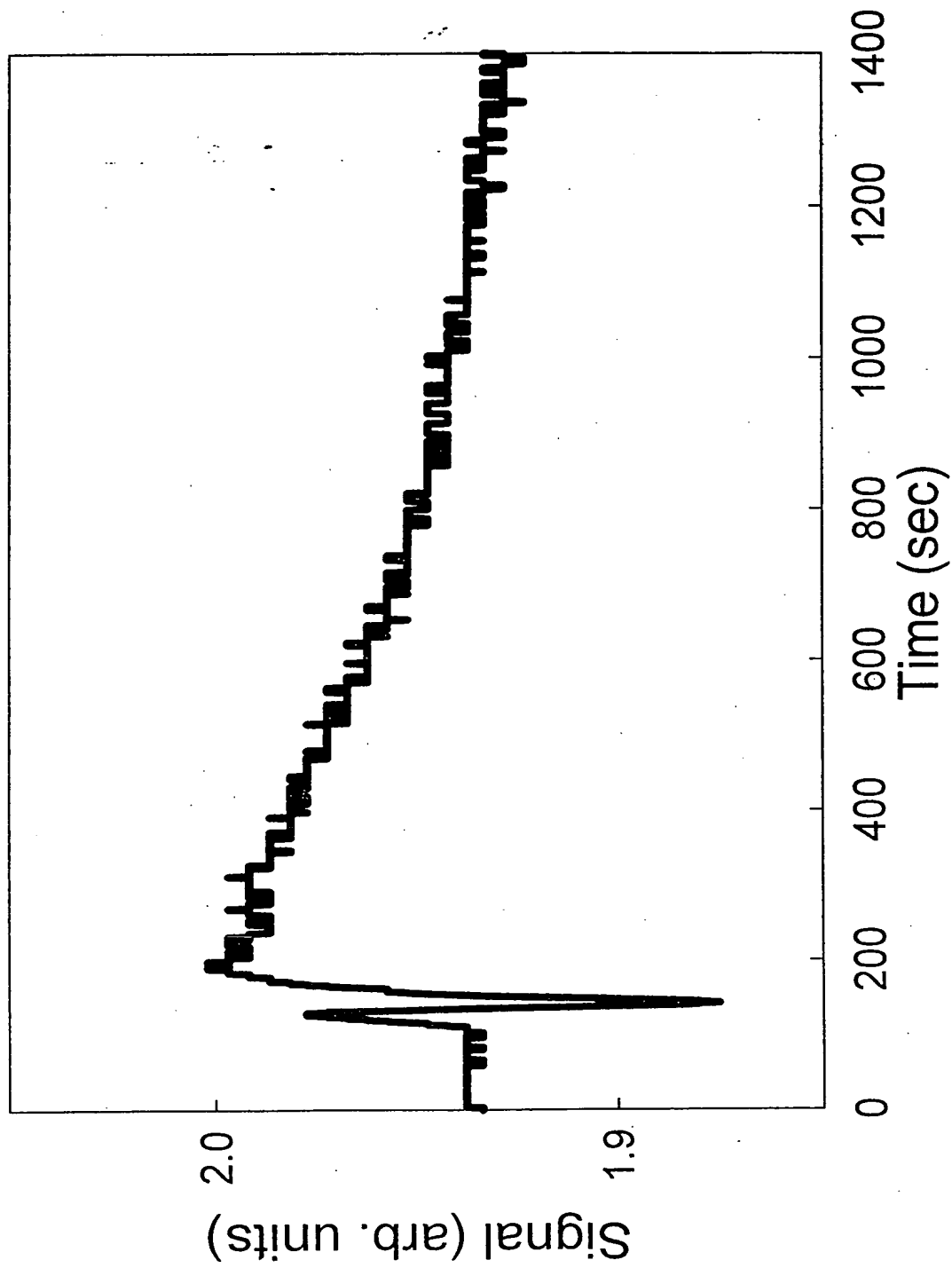


Figure 13

# Blood clearance profile of cyaninetrasulfonates



Figure 14